

Appl. No. 10/683,960
Examiner: Oliva, Carmelo B, Art Unit 2831
In response to the Office Action dated October 6, 2004

Date: December 29, 2004
Attorney Docket No. 10112991

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claim 1 (currently amended): An electronic device, comprising:

- a main board;
- a shield having a first opening and a second opening; and
- a supporting seat including a first engaging portion, a second engaging portion, ~~and a~~ third engaging portion and a release member, connected to the shield by the first and second engaging portions, ~~and supporting the main board by the third engaging portion, and released from the shield by the release member~~, wherein the first engaging portion connects to the first opening to prevent the supporting seat from moving along the X and Z axes, the second engaging portion connects to the second opening to prevent the supporting seat from moving along the Y axis, and the X, Y, and Z axes are perpendicular to each other.

Claim 2 (original): The electronic device as claimed in claim 1, wherein the supporting seat further comprises a flat body by which the first engaging portion is extended and the second engaging portion is disposed thereon.

Claim 3 (original): The electronic device as claimed in claim 2, wherein the third engaging portion is disposed on the body.

Claim 4 (currently amended): The electronic device as claimed in claim 2, wherein ~~the supporting seat further comprises a~~ the release member is disposed on the body to release the supporting seat and the shield.

Claim 5 (original): The electronic device as claimed in claim 4, wherein the third engaging portion has a threaded hole and the main board has a through hole, a screw passes through the through hole and engages the threaded hole to connect the main board and the supporting seat.

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Claim 6 (original): The electronic device as claimed in claim 4, wherein the main board has a through hole so that the third engaging portion engages the through hole to connect the main board and the supporting seat.

Claim 7 (original): The electronic device as claimed in claim 6, wherein the third engaging portion is L-shaped.

Claim 8 (original): The electronic device as claimed in claim 6, further comprises a fixing assembly disposed on the shield, wherein the supporting seat prevents the main board from moving along the X and Z axes and the fixing assembly prevents the main board from moving along the Y axis.

Claim 9 (original): The electronic device as claimed in claim 8, wherein the fixing assembly comprises a base and a sliding clip disposed on the base.

Claim 10 (original): The electronic device as claimed in claim 9, wherein the base has a rack and the clip comprises a tooth and a tongue, the tooth engages the rack such that the fixing assembly holds the main board, and the tongue is to release the tooth from the rack.

Claim 11 (original): The electronic device as claimed in claim 10, wherein the base further comprises a track to hold the clip on the base.

Claim 12 (original): The electronic device as claimed in claim 11, wherein the clip further comprises a recess to hold the main board at a predetermined position.

Claim 13 (original): The electronic device as claimed in claim 1, wherein the supporting seat is composed of metal.

Claim 14 (original): The electronic device as claimed in claim 1, wherein the supporting seat is composed of plastic and the electronic device further comprises a metal component to cover the supporting seat.

Claim 15 (currently amended): A fastening apparatus for connecting a main board to a shield, comprising:

a first opening disposed at the shield;

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a second opening disposed at the shield; and

a supporting seat including a first engaging portion, a second engaging portion, ~~and~~ a third engaging portion and a release member, connected to the shield by the first and second engaging portions, ~~and~~ supporting the main board by the third engaging portion, and released from the shield by the release member,

wherein the first engaging portion connects to the first opening to prevent the supporting seat from moving along the X and Z axes, the second engaging portion connects to the second opening to prevent the supporting seat from moving along the Y axis, and the X, Y, and Z axes are perpendicular to each other.

Claim 16 (original): The fastening apparatus as claimed in claim 15, wherein the supporting seat further comprises a flat body by which the first engaging portion is extended and the second engaging portion is disposed thereon.

Claim 17 (original): The fastening apparatus as claimed in claim 16, wherein the third engaging portion is disposed on the body.

Claim 18 (currently amended): The fastening apparatus as claimed in claim 16, wherein ~~the supporting seat further comprises a~~ the release member is disposed on the body to release the supporting seat and the shield.

Claim 19 (original): The fastening apparatus as claimed in claim 18, wherein the third engaging portion has a threaded hole and the main board has a through hole, a screw passes through the through hole and engages the threaded hole to connect the main board and the supporting seat.

Claim 20 (original): The fastening apparatus as claimed in claim 18, wherein the main board has a through hole so that the third engaging portion engages the through hole to connect the main board and the supporting seat.

Claim 21 (original): The fastening apparatus as claimed in claim 20, wherein the third engaging portion is L-shaped.

Claim 22 (original): The fastening apparatus as claimed in claim 20 further comprises a fixing assembly disposed on the shield, wherein the supporting seat is to prevent the main board from

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moving along the X and Z axes and the fixing assembly is to prevent the main board from moving along the Y axis.

Claim 23 (original): The fastening apparatus as claimed in claim 22, wherein the fixing assembly comprises a base and a sliding clip disposed on the base.

Claim 24 (original): The fastening apparatus as claimed in claim 23, wherein the base has a rack and the clip comprises a tooth and a tongue, the tooth engages the rack such that the fixing assembly holds the main board, and the tongue is to release the tooth from the rack.

Claim 25 (original): The fastening apparatus as claimed in claim 24, wherein the base further comprises a track to hold the clip on the base.

Claim 26 (original): The fastening apparatus as claimed in claim 25, wherein the clip further comprises a recess to hold the main board at a predetermined position.

Claim 27 (original): The fastening apparatus as claimed in claim 15, wherein the supporting seat is composed of metal.

Claim 28 (original): The fastening apparatus as claimed in claim 15, wherein the supporting seat is composed of plastic and the electronic device further comprises a metal component to cover the supporting seat.

Claim 29 (new): An electronic device, comprising:

- a main board having a through hole;
- a shield having a first opening and a second opening;
- a supporting seat including a flat body, a first engaging portion, a second engaging portion, a third engaging portion and a release member, the first engaging portion extended from the body, the second engaging portion and the release member disposed on the body, the supporting seat connected to the shield by the first and second engaging portions, supporting the main board by the third engaging portion, and released from the shield by the release member; and
- a fixing assembly disposed on the shield,

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wherein the first engaging portion connects to the first opening to prevent the supporting seat from moving along the X and Z axes, the second engaging portion connects to the second opening to prevent the supporting seat from moving along the Y axis, and the X, Y, and Z axes are perpendicular to each other,
wherein the third engaging portion engages the through hole to connect the main board and the supporting seat,
wherein the supporting seat prevents the main board from moving along the X and Z axes and the fixing assembly prevents the main board from moving along the Y axis.

Claim 30 (new): A fastening apparatus for connecting a main board having a through hole to a shield, comprising:

a first opening disposed at the shield;
a second opening disposed at the shield;
a supporting seat including a flat body, a first engaging portion, a second engaging portion, a third engaging portion and a release member, the first engaging portion extended from the body, the second engaging portion and the release member disposed on the body, the supporting seat connected to the shield by the first and second engaging portions, supporting the main board by the third engaging portion, and released from the shield by the release member, and
a fixing assembly disposed on the shield,
wherein the first engaging portion connects to the first opening to prevent the supporting seat from moving along the X and Z axes, the second engaging portion connects to the second opening to prevent the supporting seat from moving along the Y axis, and the X, Y, and Z axes are perpendicular to each other,
wherein the third engaging portion engages the through hole to connect the main board and the supporting seat,
wherein the supporting seat prevents the main board from moving along the X and Z axes and the fixing assembly prevents the main board from moving along the Y axis.